

Wm. R. Hall Company

Material Safety Data Sheet

Copying this information for the purpose of properly utilizing Wm. R. Hall products is allowed provided that the information is copied in full with no changes unless prior written agreement is obtained from Wm. R. Hall Company.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Wm. R. Hall Abrasive Heat Free Wheels Gray
Manufacturer: Wm. R. Hall Company, Inc.
Division: *Not applicable.*
Address: 901 Gibbsboro Rd.
 Lindenwold, NJ 08021

Emergency Telephone: (856) 784-6700
Information: (856) 784-6700
Fax Telephone: (856) 784-6701

Issue Date: 10/27/09
Supersedes Date: 07/15/09

Specific Use: Abrasive Product

SECTION 2: HAZARDS IDENTIFICATION

2.1 EMERGENCY OVERVIEW

Odor, Color, Grade: Abrasive Product Heat Free Wheel
General Physical Form: Solid
Immediate health, physical, and environmental hazards: This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

2.2 POTENTIAL HEALTH EFFECTS

Eye Contact: Dusts may irritate eyes.
Skin Contact: Some may experience skin irritation from dust.
Ingestion: No known adverse effects, but ingestion not recommended.
Inhalation: Acute: Coughing, shortness of breath. Chronic: May affect breathing capacity.
Other: Grinding may create elevated sound levels which may affect hearing.
Medical Conditions Generally Aggravated by Exposure: *Not Applicable*

Carcinogenicity:
 NTP? *Not Applicable*
 IARC Monographs? *Not Applicable*
 OSHA Regulated? *Not Applicable*

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Ingredient	C.A.S. No.	OSHA PEL	ACGIH TLV	Other Limits	% by Weight
Silicon Carbide	1344-28-1	15 MG/M ³	10 MG/M ³	None	< 85%
Iron Oxide	1309-37-1	15 MG/M ³	10 MG/M ³	None	< 5%
Titanium Oxide	13463-67-7	15 MG/M ³	10 MG/M ³	None	< 10%
Acrylonitrile	107-13-1	> 1 ppm		None	< .0001%
Butadiene	106-99-0	> 0.02 ppm		None	< .0001%
Cashew, nutshell liquid, polymer with formaldehyde and phenol	67700-42-9			None	< 1%

SECTION 4: FIRST-AID MEASURES

4.1 FIRST AID PROCEDURES

Eye Contact*: Wash with large amounts of water. Obtain first aid and medical assistance if needed.

Skin Contact*: Wash affected areas with soap and water.

Inhalation*: Remove person to fresh air. Apply artificial respiration as needed. Obtain medical assistance.

Ingestion*: Obtain medical assistance.

Other Potential Health Risks*: Obtain medical assistance.

* During grinding.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Auto-ignition temperature *Not Applicable*

Flash Point *Not Applicable*

Flammable Limits – LEL *Not Applicable*

Flammable Limits – UEL *Not Applicable*

5.2 EXTINGUISHING MEDIA

 Use Water.

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: *No Applicable Information Found*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Normal clean-up procedures.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Normal use – handle with adequate ventilation. See OSHA 29 CFR 1910.94 (Ventilation) and OSHA 29 CFR 1910.1000 (Air Contaminants).

7.2 STORAGE

Normal dry storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Ventilation: Recommended

Local Exhaust: Recommended

Mechanical (General): Recommended

Other: *No Applicable Information Found*

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Recommended. See OSHA 29 CFR 1910.133 - Face and Eye Protection.

8.2.2 Skin Protection

Protective Gloves: As desired by user.

8.2.3 Respiratory Protection

As needed. For approved dust respirators, see OSHA 29 CFR 1910.134 - Respiratory Protection.

8.2.4 Prevention of Swallowing

8.2.5 Other Protective Clothing or Equipment

As needed, hearing protection. See OSHA 29 CFR 1910.215 - Hearing Protection.

8.3 EXPOSURE GUIDELINES

None Determined

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	Coated Abrasive Product; may produce odor in use.
General Physical Form:	Solid
Auto-ignition temperature:	<i>Not Applicable</i>
Flash Point (Method Used):	<i>Not Applicable</i>
Flammable Limits – LEL	<i>Not Applicable</i>
Flammable Limits – UEL	<i>Not Applicable</i>
Boiling Point:	<i>No Applicable Information Found</i>
Vapor Density:	<i>No Applicable Information Found</i>
% Volatile by Volume:	<i>No Applicable Information Found</i>
Vapor Pressure:	<i>No Applicable Information Found</i>
Specific Gravity:	2 - 4
pH:	<i>Not Applicable</i>
Melting point:	<i>No Applicable Information Found</i>
Solubility in Water:	Slight
Solubility in Alcohol:	<i>No Applicable Information Found</i>
Solubility in Other Solvent:	<i>No Applicable Information Found</i>

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility (Materials to Avoid):	<i>No Applicable Information Found</i>
Conditions to be Avoided:	<i>No Applicable Information Found</i>
Polymerization:	Will not occur.
Hazardous Decomposition or By-Products:	Dust is generated in use. In most cases, the material removed from the work piece will be significantly greater than the grinding wheel components.

SECTION 11: TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

None Determined

SECTION 12: ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION**

Not Determined

CHEMICAL FATE INFORMATION

Not Determined

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Disposal Method:** Standard landfill methods consistent with applicable Federal, State and Local laws.**SECTION 14: TRANSPORT INFORMATION****U.S. Department of Transportation:** Not regulated.**SECTION 15: REGULATORY INFORMATION****SARA Title III:****Section 311/312 Hazard Categories:**

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

Immediate Hazard – Yes

Delayed Hazard – No

Section 313 Reportable Ingredients: None**SECTION 16: OTHER INFORMATION**

Prepared by: Wm. R. Hall Company

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. This MSDS is based on information that is believed to be reliable, but may be subject to change as new information becomes available. WM. R. HALL COMPANY MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Each user is responsible for determining whether the Wm. R. Hall product is fit for a particular purpose and suitable for the user's method of use or application.

Abbreviations: IARC: International Agency for Research on Cancer
NTP: National Toxicology Program
OSHA: Occupational Health and Safety Administration (U.S.)
SARA Title III: Superfund Amendments and Reauthorization Act